



TELECOMMUNICATIONS AUTHORITY
of Trinidad & Tobago

Developing and Implementing DTT Transition Policy

May 2023



TELECOMMUNICATIONS AUTHORITY
of Trinidad & Tobago

T&T National Digital Transformation Strategy 2023 – 2026 Pillars



Digital Society



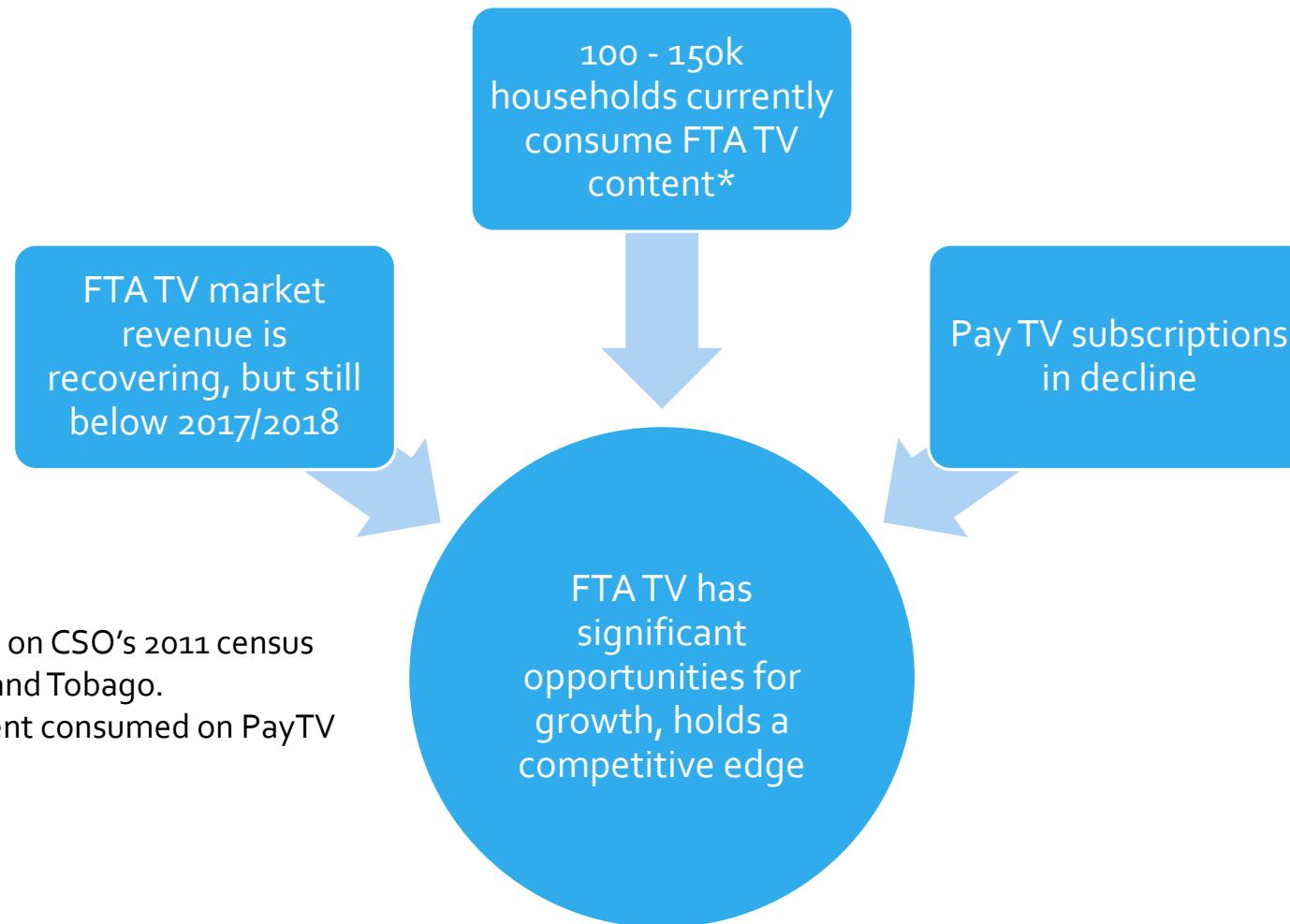
Digital Economy



Digital Government



State of FTA TV Market



* conservative estimate based on CSO's 2011 census
~405k households in Trinidad and Tobago.
Does not include FTA TV content consumed on PayTV

Benefits of DTT Adoption



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Reduced Costs

Estimated annual opex savings of **TT\$1m+**
Spectrum, Electricity, Insurance, Repairs & Maintenance



Increased Revenues

Datacasting
Additional channel opportunities
Education content delivery
Disaster Relief



Increased Quality

HD, 4K
EPG
Increased coverage
On Demand
Future-Proof

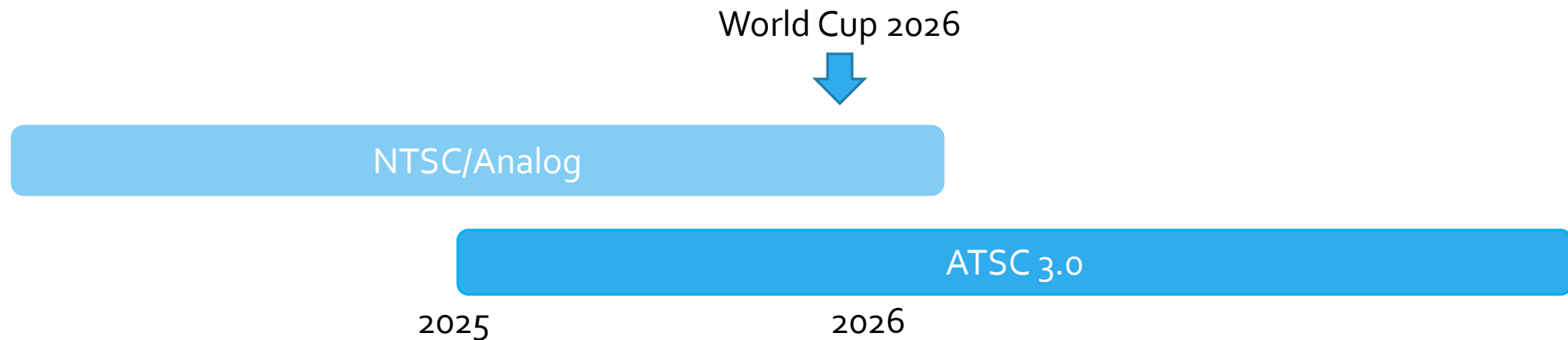


ESG

Reduced energy consumption
Safer RFR levels
Bridging the digital divide



Proposed DTT 2026 Transition path



Ubiquity of ATSC 3.0 device *ecosystem* to occur from 2023 to 2026 to enable Analog Switch-off

2026 coincides with renewal of FTA broadcast concessions



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DTT ecosystem

Hisense



SAMSUNG

SONY

- 34 ATSC 3.0 TV models available at May 2023
 - Hisense (2), LG (5), Samsung (18), Sony (9)
- ATSC 3.0 Receivers available from July 2023

<https://www.watchnextgentv.com/shop/>





DTT Milestones



DTT Framework established



Notice of adoption of ATSC 3.0 published



Steering Co & Working Groups convened



The Telecommunications Act Chap. 47:31

NOTICE

Pursuant to section 45(2) of the
Telecommunications Act

**ADOPTION OF ADVANCED TELEVISION SYSTEMS COMMITTEE
STANDARD VERSION 3.0 (ATSC 3.0) AS THE STANDARD FOR
FREE-TO-AIR DIGITAL TERRESTRIAL TELEVISION (DTT) IN THE
REPUBLIC OF TRINIDAD AND TOBAGO**

Pursuant to section 45(2) of the Telecommunications Act Chap. 47:31, the Telecommunications Authority of Trinidad and Tobago (the Authority) hereby notifies the public of its adoption of the Advanced Television Systems Committee digital television standard version 3.0 (ATSC 3.0) as the standard for free-to-air digital terrestrial television (DTT).

The adoption of the ATSC 3.0 standard is based on a requirement of the Authority's Framework for Digital Terrestrial Television Broadcasting (DTT Framework) which underwent two rounds of consultation.

The selection of ATSC 3.0 as the DTT standard included deliberations by the DTT Technical Working Group which comprised key stakeholders in the broadcast industry. The free-to-air television broadcast industry has therefore by consensus agreed to the adoption of ATSC 3.0 as the standard for DTT.

ATSC 3.0 is an advanced DTT standard that allows content to be delivered in up to 8K resolution and is based on Internet Protocol, thus, allowing modern entertainment experiences such as interactive viewing and datacasting services.

In March 2023, the Authority will recommence work with the broadcasting industry and other stakeholders to ensure a smooth transition to ATSC 3.0 by 2026. This will include ensuring ATSC 3.0 consumer devices are available in Trinidad and Tobago.

Date: 18th January 2023.



DTT Working Groups ToRs

Steering Committee

- Approve Working Group recommendations
- Monitor execution of actions

Communications

- Develop Consumer Awareness Plan
- Manage Stakeholder Engagement

Finance

- Develop Receiver Ubiquity approach
- Recommend suitable fiscal incentives

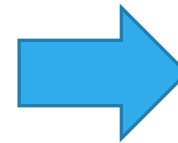
Technical

- Develop Implementation Plan
- Develop Receiver Standards
- Finalise Signal Distributor model



Present FTA and possible DTT state

TV6	• 6, 18, 19
TTT	• 9, 13, 20
Parliament	• 11, 26, 29
CNC ₃	• 12, 14, 22
TIC (off-air)	• 4, 16



TV6 + TTT + CNC ₃ + Parliament + TIC	• 15, 16*
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2 channels*

* Channels can be added as stations adopt 4k

14 channels



Next Steps

- Working groups meeting on the details in three key areas:
 - Communications – 1st meeting held on 12th May, next on 9th June
 - Finance – 1st meeting held on 10th May, next on 14th June
 - Technical – 2 meetings held on 27th April and 18th May, next on 14th June
- 2nd Steering Committee scheduled for 22nd June
- Intend to engage major retailers on TVs to import by July 2023
- Determine authorisation model of SD(s)
- Embark on public education campaign



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Thank You